

LOW LOSS DIVERSITY ANTENNA T/R SWITCH

ABSTRACT OF THE DISCLOSURE

5 A low loss transmit/receive switch includes a 1st antenna capacitive coupling circuit, a 2nd antenna capacitive coupling circuit, an antenna selection circuit, a 1st inductive coupling circuit, and a 2nd inductive coupling circuit. The 1st antenna capacitive coupling circuit is operably coupled to a 1st antenna. The 2nd antenna capacitive coupling circuit is operably coupled to a 2nd antenna. The antenna selection
10 circuit is operably coupled to enable the 1st or the 2nd antenna in accordance with an antenna selection signal. The 1st inductive coupling circuit is operably coupled to the 1st and the 2nd antenna capacitive coupling circuits and to an output of a power amplifier. The 2nd inductive coupling circuit is operably coupled to the 1st and the 2nd antenna capacitive coupling circuits and to an input of the low noise amplifier.